CS1

List of preReq (Howmuch Math)

① Differential Calculus { only derivatives }

② Using Conditional Prob.

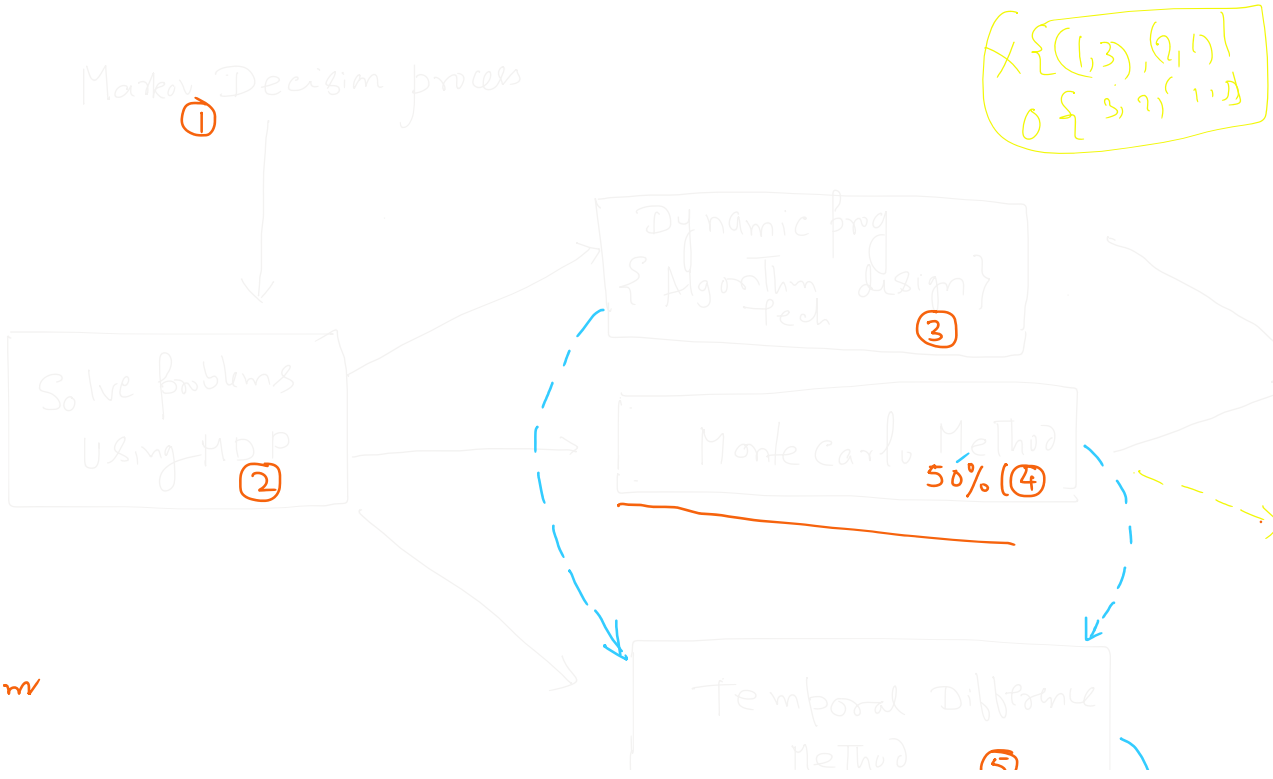
③ Loss functions

⇒ Ability to translate a Scenario into a Mathematical model { Learning }

Algorithm + Abstract logical sequence

⇒ Numericals Example demonstration

Markov Decision process



Midsem

Models

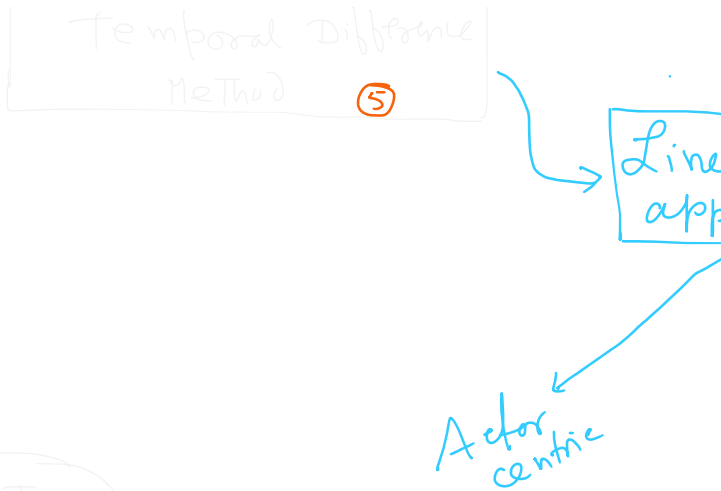
Tabular methods

olicy gradient methods

$\mathcal{L}_\theta = -(y_p - y_a)^2$

$\nabla J = \nabla(y_p - y_a)^2$

Midsem


Temporal Difference
Method
5
Actor centric

Concept of DRL
Model based approaches
Goal
+5
-100

AI
ML
DL
DRL

percepts
Env

Elements of DRL
1 Environment
2 Action set
3 Policy

Domain
Knowledge Base
Rewards an
Take ac

4 Reward
5 Value functions
state value fn
Action value fn
IPL, TV, Bovgal
a1{Join BITS} Mtech

$\mathcal{L}_\theta = (y_p - y_a)$

$\nabla \mathcal{L} = 2(y_p - y_a)x$

ar fn

rximation

DNN

penalties

ons

AI-103
+100